

ANNUAL REPORT

OF THE

SANITARY CONDITION

OF THE

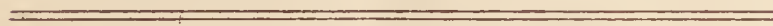
FYLDE RURAL DISTRICT,

FOR THE YEAR 1905.



CHARLES COURT, M.B.,

Medical Officer of Health.



KIRKHAM:

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SANITARY CONDITION

OF THE

FYLDE RURAL DISTRICT,

FOR THE YEAR 1905.

*To the Chairman and Members of the Fylde Rural
District Council.*

GENTLEMEN,

I have again the honour of laying before you my Fourth Annual Report of the General Sanitary Condition of the Fylde Rural District during the year 1905.

The area of the district dealt with in this Report comprises 38,768 acres, and the population distributed over it is estimated at 10,756.

SECTION I.

VITAL STATISTICS.

BIRTHS.—The Population on which the various rates are calculated is estimated at 10,756 an increase of 131 on last year's figures. The addition being the excess of births registered in the district over the deaths during 1905.

The births registered in the district during the year under review numbered 262, or 11 less than the number registered in 1904. The birth-rate was equal to 24·3 per 1,000 of the population, against 25·6 last year, 26·7 in 1903 and 28·3 in 1902. In the following tabular statement, the number of births in each of the four registration sub-districts is given, and also the sex distribution :—

		Males.		Females.		Total.
Fleetwood Sub-District	...	22	...	16	...	38
Blackpool	„	39	...	32	...	71
Kirkham	„	74	...	67	...	141
Lytham	„	6	...	6	...	12
		<hr/>		<hr/>		<hr/>
Whole District	...	141		121		262

MORTALITY.

DEATHS.—The number of deaths registered in the district during the year was 129, but to find the true death-rate two deaths occurring in the Moss Side Fever Hospital of persons removed from other districts must be deducted, and four deaths must be added which occurred among persons belonging to Fylde Rural District, in public institutions situate outside this area, viz., three in the Fylde Union Workhouse, and one in the Victoria Hospital, Blackpool.

The nett deaths at all ages actually belonging to the district were therefore 131, or four more than in 1904. The corrected death-rate was equal to 12·1 per 1000 of the population, against a rate of 11·9 in 1904, 14·7 in 1903, and 13·9 in 1902. The distribution of deaths is given below :—

		Males.		Females.		Total.
Fleetwood Sub-District	...	10	...	14	...	24
Blackpool	„	7	...	13	...	20
Kirkham	„	45	...	38	...	83
Lytham	„	2	...	2	...	4
		<hr/>		<hr/>		<hr/>
Whole District	...	64		67		131

The excess of births over deaths was equal to 131.

SECTION II.

ZYMOTIC DISEASES.

During the year 1905 there have been 30 cases notified, an increase of 10 on the preceding year. The 30 cases comprise 13 of Scarlet Fever, 5 of Enteric Fever, 5 of Diphtheria, and 7 of Erysipelas. In the preceding year we had notified 13 Scarlet Fever, 2 Enteric Fever, 2 Diphtheria, and 1 Erysipelas.

SCARLET FEVER.

Cases, 13. Deaths, 0.

The disease was most prevalent in October, when 7 cases were notified. Single cases occurred in Staining, Thistleton, Ballam, and Moss Side (this one the cook in the hospital), 5 cases in Marton in 2 families (2 cases in one house and three in the other) and 4 in Carleton (all in one family). The infection in Carleton was brought by one of the family who was servant in one of the houses at Marton. In the Marton cases the infection was caught at school, as several cases within the borough of Blackpool, removed to the sanatorium, resided in close proximity to the Marton cases. The Thistleton case derived the infection while travelling, and the precautions adopted were such that no other case arose from it. The Marton and Carleton cases were removed to the Moss Side Hospital, those in Staining, Thistleton, and Ballam were treated at their homes.

TYPHOID FEVER.

Cases, 5. Death, 1.

Five cases notified : 1 at Wrea Green, 1 at Moss Side, a nurse at the Hospital, 2 at Wesham and 1 at Esprick. 2 of these cases were removed to the Hospital, where one, a man between 60 and 70 years of age, died. The case at Wrea Green, a child of 2 years, contracted the disease from its father, who died of this disease. The cases from Wesham and Esprick were caused by defective drainage. The remaining case, a nurse at the Moss Side Hospital, contracted the disease while attending to patients in the Hospital.

DIPHTHERIA.

Cases, 5. Deaths, 0.

This disease occurred in the month of March, in Carleton ; 4 cases in 1 house, and 1 in another. The 4 cases took place in the Bispham station-master's house, the remaining case in a house opposite, in Bispham Road, Carleton; all due to defective drainage.

ERYSIPELAS.

Cases, 7. Deaths, 0.

These cases occurred 2 in Clifton, 2 in Wesham, and 1 each in Weeton, Freckleton, and Hardhorn.

INFECTIOUS HOSPITALS,

Two in number: one at Moss Side, the Fylde Joint Isolation Hospital ; the other the Small Pox Hospital at Elswick, a joint Hospital for Preston, Garstang, and the Fylde.

There have been admitted into Moss Side Hospital, during the year, 80 cases of infectious diseases, viz.: 65 of Scarlet Fever, 14 Typhoid, and 1 Diphtheria. The districts they have been admitted from are as follows :—

District.	Scarlet Fever.		Enteric.		Diphtheria.	
Lytham	11	...	1	...	0	...
St Annes	4	...	3	...	0	...
Kirkham	33	...	5	...	1	...
Fleetwood	0	...	1	...	0	...
Bispham	1	...	0	...	0	...
Norbreck	1	...	0	...	0	...
Carleton	4	...	0	...	0	...
Cleveleys	5	...	0	...	0	...
Thornton	0	...	1	...	0	...
Marton	5	...	0	...	0	...
Wrea Green	0	...	1	...	0	...
Moss Side	1	...	1	...	0	...
Wesham	0	...	1	...	0	...
Totals	65		14		1—80	

The cases belonging to the Fylde Rural District treated in the Hospital were as follows :—

	Scarlet Fever.				Enteric.		
Wesham	0	...	...	1			
Wrea Green	0	...	...	1			
Moss Side... ..	1	...	...	1			
Marton	5	...	...	0			
Carleton	4	...	...	0			
	<hr/>				<hr/>		
Totals	10			3—13			

When we consider that there have been only 3 deaths taken place during the year in the Moss Side Hospital, 2 belonging to the Kirkham Urban (1 Scarlet Fever and 1 Typhoid Fever), and 1 (Typhoid) belonging to the Fylde Rural District, I think we may congratulate ourselves in the possession of such an institution in the district, which shows the value of isolation treatment, minimises the amount of infection by speedy removal, and allows of the disease being quickly and thoroughly stamped out.

While treating on the subject of infectious diseases, I feel I must make a few remarks about Measles, a highly contagious disease. This disease with its complications has been responsible during the year for 9 deaths in one of your districts (Wesham) 8 occurring between March 11th and April 6th. As it is not a notifiable disease, it is impossible to give an exact idea as to its prevalence, but the mortality from it compares very unfavourably with that of Scarlet Fever, a much more serious disease in itself. This is no doubt due to the fact that the parents consider it an inevitable but slight complaint, and do not think it necessary to have any particular care and precautions taken until some serious complication supervenes. In one of the above-mentioned cases an inquest had to be held as no medical attention had been called in before the death.

DIARRHŒA, ENTERITIS, & ALLIED DISEASES.

4 deaths have resulted from these causes, varying in age from 19 days to 9 months, 3 of the cases occurring in Marton, and

1 in Freckleton. The cause of this disease is generally improper feeding. Of the deaths (26 in number) from infantile diseases, it is difficult to state the precise disease, as the cause of death is often ascribed to some predominating symptom instead of the disease to which that symptom was due.

ZYMOTIC DEATH-RATE.

The 7 principal Zymotic diseases gave rise to 14 deaths, equal to a rate of 1·30 per 1,000 of the population, or an increase of 0·55 on the rate recorded last year. Measles was accredited with 9 deaths (all in the Kirkham sub-district), Diarrhœa, 4 deaths, and Enteric Fever, 1 death.

PHTHISIS accounted for only 3 deaths, or a rate of 0·27 per 1,000. Last year this rate was 0·56, and in 1903 it was 0·83.

RESPIRATORY DISEASES, including Bronchitis, Pneumonia, and Pleurisy, were responsible for 17 deaths, exactly the same number as in 1904. The rate per 1,000 was 1·58 against 1·60 in 1903.

INFANTILE MORTALITY.—26 deaths took place amongst children under the age of 1 year, and the mortality, measured by the proportion of deaths to 1,000 births, was 99. Last year the rate was 98, in 1903 it was 125, and in 1902, 74.

The following summary gives the Birth and Death rates for the last 4 years, and it will be noted that although the mortality averages are not quite so favourable, they compare satisfactorily with the three years average:—

				Rates per 1,000 of the Population.					
				1905	1904	1903	1902		
Birth-rate	...	...	24·3	...	25·6	...	26·7	...	28·3
Death-rate (corrected)	12·1	...	11·9	...	14·7	...	13·9		
Zymotic Death-rate	1·30	...	0·75	...	1·48	...	1·58		
Phthisis	„	0·27	...	0·56	...	0·83	...	1·05	
Respiratory	„	1·58	...	1·60	...	1·86	...	1·23	
Rate of deaths under 1									
year to 1,000 births	99	...	98	...	125	...	74		

The corrected number of deaths in each of the townships in the Rural District, together with the death-rates per 1,000 per annum:—

	Number of Deaths	Rate per 1,000 per annum
Carleton	14	18·6
Singleton	5	13·1
Elswick	4	15·3
Little Eccleston-with-Larbreck ...	1	5·2
Marton	19	13·7
Hardhorn, Newton and Staining	1	1·6
Freckleton	8	6·0
Medlar-with-Wesham	36	19·3
Bryning-with-Kellamergh	1	7·6
Clifton-with-Salwick	4	9·5
Greenhalgh-with-Thistleton ...	4	9·6
Newton-with-Scales	5	21·6
Ribby-with-Wrea	6	10·9
Treales, Roseacre and Wharles...	1	2·0
Warton	3	6·6
Weeton-with-Preese	7	18·4
Westby-with-Plumptions	8	14·2
Little Marton	4	10·9
	<hr/> 131	<hr/> 12·1

SECTION III.

GENERAL WORK.

I have had occasion during the year to advise the closure of the following schools, viz.: Wesham, Staining and Carleton, on account of the prevalence of Measles in those districts. At Warton School I advised the exclusion of certain pupils suffering from Whooping Cough.

During the year I examined 9 samples of water from Marton, Elswick, Carleton, Little Eccleston, Greenhalgh, Treales and Hardhorn. In the Greenhalgh case, Fylde water was supplied, in the others, cleaning of the wells was resorted to, except at

Elswick, where a new well was sunk, as in these particular instances the cost of supplying Fylde water was more than the authority had power to compel the expense.

Fylde water has been supplied to Greenhalgh village, and to several parts of Marton, viz.: Midgland Road from Welcome Inn to Spen Dyke, to all the houses through Little Marton, Moss Side to Little Marton School, also to Lower Lane, Freckleton, at Ravald House Farm, where the water supply has been a source of trouble for many years.

I regret that nothing has been done so far to improve the water supply in Treales and Wharles, to which I made a special note in my report of last year.

With the Inspector I examined a cottage at Staining, and ordered certain improvements to be made, thus making it habitable.

In Carleton I was compelled to condemn an old cottage owing to its dilapidated condition. I have, with the inspector, made three visits to the mills in the Wesham district, and found the closet accommodation in a very insanitary condition; also the mill at Freckleton. In the Brook's Mill and the Wesham Mill, also the Freckleton Mill, the required improvements are being attended to. In Moss's Mill, Wesham, nothing has been done so far.

I visited the Queen's Brewery with the County Medical Officer of Health and your Inspector, and the following alterations in the method of treatment of the refuse was advised to minimise the nuisance complained of.

All the water used for cooling purposes was to be diverted from the sewage tanks, thus diminishing the volume to be treated. The first washings from the barrels and fermenting vat was diverted into a new drain which empties itself into an excavation in the field (this to be cleaned out at frequent intervals on to the land). All the spare yeast is to be kept from the tanks and put on the manure heap. The sewage tanks were cleaned out and the sprinkler

beds charged with new coke. A precipitant was also recommended to be used.

SLAUGHTER-HOUSES have been examined, and found no complaint, with the exception of one at Carleton, where the floor was ordered to be properly cemented.

BAKE-HOUSES.—No complaints.

FACTORIES' AND WORKSHOPS' ACT.

Factories—Number of Inspections	...	...	...	10
Workshops	„	„	...	8
Defects found.—Workshop required whitewashing				1
Other matters	...	...	...	0

In conclusion, Gentlemen,

I remain,

Yours obediently,

CHARLES COURT.

(1.) VITAL STATISTICS OF WHOLE DISTRICT during 1905 and previous years.

YEAR	Population estimated to middle of each year	BIRTHS		TOTAL DEATHS REGISTERED IN THE DISTRICT					NETT DEATHS AT ALL AGES BELONGING TO THE DISTRICT				
		Number	Rate*	Under One Year of age		At all Ages		Total Deaths in Public Institutions in the District	Deaths of Non-Residents registered in Public Institutions in the District	Deaths of Residents registered in Public Institutions beyond the District	Number	Rate*	
				Number	Rate per 1,000 Births registered	Number	Rate*						
1	2	3	4	5	6	7	8	9	10	11	12	13	
1895.....	13,035	388	29.7	46	111.8	237	18.4	..	..	..	237	18.4
1896.....	13,426	410	30.09	47	114.6	222	16.5	..	..	..	227	16.5
1897.....	14,609	398	27.2	64	160.0	248	16.9	..	..	..	248	16.9
1898.....	15,792	420	26.5	61	105.0	234	14.8	..	..	..	229	14.5
1899.....	16,102	450	29.5	58	128.0	250	15.5	..	..	..	250	15.5
1890.....	11,680	321	27.5	32	99.0	179	14.4	..	..	..	179	14.4
1901.....	11,271	291	25.6	33	113.0	167	14.8	..	..	..	167	14.8
1902.....	11,350	322	28.3	24	74.5	162	14.2	8	6	2	158	13.9	
1903.....	10,479	287	26.7	36	125.4	156	14.5	13	3	6	159	14.7	
1904.....	10,625	273	25.6	27	98.0	127	11.9	8	5	5	127	11.9	
Averages for years 1895-1904	12,836	356	27.6	42	112	198	15.1	..	..	..	198	15.1
1905.....	10,756	262	24.3	26	99	129	11.9	3	2	4	131	12.1	

* Rates in Columns 4, 8 and 13 calculated per 1,000 of estimated population.

Area of District in acres (exclusive of area covered by water)..... 38,768
 Total population at all ages..... 11,251
 Number of inhabited houses 2,317
 Average number of persons per house... 4.8
 At Census of 1901.

Institution within the District receiving sick and infirm persons from outside the District—Moss Side Joint Fever Hospital, Wrea Green.
 Joint Small-pox Hospital, Elswick.

Institutions outside the District receiving sick and infirm persons from the District—Fylde Union Workhouse, Kirkham.
 Victoria Hospital, Blackpool.

(II.) VITAL STATISTICS OF SEPARATE LOCALITIES in 1905 and previous years.

NAMES OF LOCALITIES	WHOLE DISTRICT				FLEETWOOD (Sub-District)				BLACKPOOL (Sub-District)				KIRKHAM (Sub-District)				LYTHAM (Sub-District)			
	Population esti- mated to middle of each year	Births Registered	Deaths at all ages	Deaths under 1 year	Population esti- mated to middle of each year	Births Registered	Deaths at all ages	Deaths under 1 year	Population esti- mated to middle of each year	Births Registered	Deaths at all ages	Deaths under 1 year	Population esti- mated to middle of each year	Births Registered	Deaths at all ages	Deaths under 1 year	Population esti- mated to middle of each year	Births Registered	Deaths at all ages	Deaths under 1 year
1895	13,055	388	237	46	4,370	123	93	22	1,834	68	35	6	6,486	188	100	17	367	9	9	1
1896	13,426	410	222	47	4,622	145	78	18	1,710	53	42	9	6,560	198	96	19	351	14	6	1
1897	14,609	398	246	64	5,699	150	106	24	1,908	60	24	8	6,630	183	113	29	372	5	5	3
1898	15,792	420	429	61	6,766	175	108	27	2,000	91	27	12	6,644	153	91	21	372	9	3	1
1899	16,102	450	250	58	6,912	193	100	22	2,160	90	38	14	6,658	157	107	22	372	10	5	0
1900	11,680	321	179	32	1,730	39	25	4	2,810	92	51	10	6,860	178	99	16	380	12	4	2
1901	11,271	290	167	33	1,472	29	27	6	2,866	84	54	8	6,583	168	79	17	350	9	7	2
1902	11,350	322	156	24	1,486	40	26	3	2,929	97	44	11	6,583	180	83	13	352	5	3	1
1903	10,479	287	159	36	1,500	32	18	5	1,926	82	36	9	6,647	166	102	21	356	7	3	1
1904	10,625	273	127	27	1,565	38	24	1	1,946	60	25	11	6,758	163	73	14	356	6	5	1
Averages of Years 1895 to 1904	12,838	355	217	42	3,612	96	60	13	2,208	78	37	9	6,640	173	94	18	362	8	5	1
1905	10,756	262	131	36	1,579	38	24	4	1,997	71	20	6	6,816	141	83	15	364	12	4	1

(III.) CASES OF INFECTIOUS DISEASE notified during the year 1905.

NOTIFIABLE DISEASE	CASES NOTIFIED IN WHOLE DISTRICT						TOTAL CASES NOTIFIED IN EACH LOCALITY				No. of Cases Removed to Hospital from Each Locality			
	At Ages—Years						Fleetwood	Blackpool	Kirkham	Lytham	Fleetwood	Blackpool	Kirkham	Lytham
	At all Ages	Under 1	1 to 5	5 to 15	15 to 25	25 to 65								
Small-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cholera .....	..	..	..	..	..	..	5	..	..	..	..	..	..	..
Diphtheria	5	..	2	3	..	..	..	..	..	..	..	..	..	..
Membranous Croup .....	..	..	..	2	..	..	..	1	6	..	..	..	..	..
Erysipelas	7	..	..	4	2	4	..	..	3	..	..	..	..	..
Scarlet Fever	13	..	4	4	..	..	4	6	..	..	..	..	..	..
Typhus Fever .....	..	..	1	2	..	1	..	..	5	..	..	..	..	..
Enteric Fever	5	..	..	..	..	..	..	..	..	..	..	..	..	..
Relapsing Fever .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Continued Fever .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Puerperal Fever .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Plague .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..
TOTALS	30	..	7	11	2	8	9	7	14	..	..	..	..	..

Isolation Hospitals.—Moss Side (Fever). Elswick (Small-pox).

(IV.) CAUSES OF, AND AGES AT, DEATH
during year 1905.

Causes of Death 1	Deaths at the subjoined ages of "Residents," whether occurring in or beyond the District							Deaths at all ages of "Residents" belong- ing to Localities, whether occurring in or beyond the District					Total Deaths whether of Residents or non "Residents" in Public Institutions in the District 14
	All Ages 2	Under 1 year 3	1 and under 5 4	5 and under 15 5	15 and under 25 6	25 and under 65 7	65 and upwards 8	Fleetwood Sub-District 9	Blackpool Sub-District 10	Kirkham Sub-District 11	Lytham Sub-District 12	13	
Small-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	9	4	4	1	..	..	..	..	..	9	..	..	..
Scarlet Fever .....	..	..	..	..	..	..	..	..	..	..	..	..	1
Whooping Cough .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria and Membranous Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Fever { Typhus .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Enteric	1	..	..	..	..	1	..	..	..	1	..	..	2
Other Continued ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Epidemic Influenza	2	..	..	..	..	1	1	..	..	2	..	..	..
Cholera .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Plague .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea	4	3	..	..	..	1	..	1	3	..	..	..	..
Enteritis	1	1	..	..	..	..	..	..	..	1	..	..	..
Puerperal Fever .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Other Septic Diseases	1	..	..	..	..	1	..	..	..	1	..	..	..
Phthisis, Pulm. Tuberculosis ..	3	..	..	..	..	3	..	1	..	2	..	..	..
Other Tubercular Diseases ..	5	..	4	1	..	..	..	..	3	2	..	..	..
Cancer, Malignant Disease ..	11	..	..	..	..	8	3	2	1	7	1	..	..
Bronchitis	12	1	1	..	..	3	7	3	3	6	..	..	..
Pneumonia	5	1	1	..	..	2	1	1	2	2	..	..	..
Pleurisy .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Other Diseases of Respira- tory Organs .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Alcoholism, Cirrhosis of Liver .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Veneral Diseases .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Premature Birth	3	3	..	..	..	..	..	..	1	2	..	..	..
Diseases and Accidents of Parturition	1	..	..	..	..	1	..	..	..	1	..	..	..
Heart Diseases	10	..	..	1	..	6	3	2	1	7	..	..	..
Accidents	4	2	1	1	..	..	..	..	..	4	..	..	..
Suicides .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Inquests .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of Nervous System ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Old Age .....	..	..	..	..	..	..	..	..	..	..	..	..	..
All other causes	59	11	2	..	3	11	32	14	6	36	3	..	..
All causes	131	26	13	4	3	37	48	24	20	83	4	..	3

(V.) *INFANTILE MORTALITY*

Deaths from stated Causes in Weeks

CAUSE OF DEATH	Under 1 Week	1-2 Weeks	2-3 Weeks	3-4 Weeks	Total under 1 Month
COMMON INFECTIOUS DISEASES—					
Small-pox .. .. .	..	..	..	..	..
Chicken-pox .. .. .	..	..	..	..	..
Measles .. .. .	..	..	..	..	..
Scarlet Fever .. .. .	..	..	..	..	..
Diphtheria : Croup .. .. .	..	..	..	..	..
Whooping Cough .. .. .	..	..	..	..	..
DIARRHŒAL DISEASES—					
Diarrhœa, all forms .. .. .	..	..	1	..	1
Enteritis (<i>not Tuberculous</i>) .. .. .	..	..	..	..	..
Gastritis, Gastro-intestinal Catarrh .. .. .	..	..	..	..	..
WASTING DISEASES—					
Premature Birth .. .. .	..	..	1	2	3
Congenital Defects	2	..	..	..	2
Injury at Birth .. .. .	..	..	..	..	..
Want of Breast-milk .. .. .	..	..	..	..	..
Atrophy, Debility, Marasmus .. .. .	..	1	2	..	3
TUBERCULOUS DISEASES—					
Tuberculous Meningitis .. .. .	..	..	..	..	..
Tuberculous Peritonitis: Tabes Mesenterica .. .. .	..	..	..	..	..
Other Tuberculous Diseases .. .. .	..	..	..	..	..
Erysipelas .. .. .	..	..	..	..	..
Syphilis .. .. .	..	..	..	..	..
Rickets .. .. .	..	..	..	..	..
Meningitis (<i>not Tuberculous</i>) .. .. .	..	..	..	..	..
Convulsions	1	..	..	..	1
Bronchitis .. .. .	..	..	..	..	..
Laryngitis .. .. .	..	..	..	..	..
Pneumonia .. .. .	..	..	1	..	1
Suffocation, overlaying .. .. .	..	..	..	..	..
Other Causes .. .. .	..	..	..	..	..
	3	1	5	2	11

District of FYLDE RURAL. Population
Births in the year, 262.

during the year 1905.

and Months under One Year of Age.

1-2 Months	2-3 Months	3-4 Months	4-5 Months	5-6 Months	6-7 Months	7-8 Months	8-9 Months	9-10 Months	10-11 Months	11-12 Months	Total Deaths under 1 Year
..
..	1	..	..	1	1	1	..	4
..
..
1	1	..	..	3
..	1	..	..	..	..	..	1
..	3
1	3
..
1	1	..	1	..	..	..	..	..	..	..	6
..
..
..
..
..
..	1	..	..	..	..	..	..	..	..	..	2
..	1	..	..	..	..	..	1
..
..	1	..	..	..	..	..	1
..	1	..	1
3	2	..	1	1	3	..	1	2	2	..	26

(estimated to middle of 1905) 10,756.

Deaths from all Causes at all Ages, 131.

FYLDE RURAL DISTRICT COUNCIL.

*To the Chairman and Members of the Fylde Rural
District Council.*

GENTLEMEN,

I have again the honour of presenting to you the Annual Report and Summary of work done within your district for the year ending 31st December, 1905, this being my Sixteenth Annual Report.

PUBLIC HEALTH ACT.

Total number of Preliminary Notices	39
Second Notices served by Order of Council.....	5
Special Reports	6
Dwelling-houses improved	1
,, lime-washed and cleaned	1
,, reported as overcrowded	1
,, condemned as unfit for habitation...	1
New drains put in for waste and refuse water.....	5
Drains opened, cleaned, and rectified	14
Back yards cleared of filthy matter	1
Offensive ashpits rectified	1
Privies and ashpits cleaned under Notice	4
Nuisances arising from stagnant sewage abated	2
Accumulations of manure removed	1
Offensive ditches cleaned out	3
Sewage and urine tanks made	3
Sewage and urine tanks cleaned out	11
Farm yards and premises drained.....	3
Dead animals and garbage removed and buried	2
Nuisance caused by sewage flowing on side of highway abated	2

Nuisances arising from pig keeping abated	3
Drains tested with smoke test	6
No. of defects in Authority's sewers remedied.....	6

The defects remedied are distributed over the district as follows :—

Bryning and Warton.....	2
Clifton-with-Salwick	1
Freckleton	1
Greenhalgh-with-Thistleton	7
Newton-with-Scales	Nil.
Medlar-with-Wesham	6
Ribby-with-Wrea	5
Weeton-with-Preese	Nil.
Treales, Roseacre and Wharles.....	1
Westby-with-Plumpton	Nil.
Elswick and Little Ecclestone-with-Larbreck.....	3
Carleton	17
Singleton	Nil.
Hardhorn	6
Marton	17

MAIN WATER-COURSES.

During the year we have not received a single complaint as to their condition.

COMMON LODGING-HOUSES.

None in district.

SLAUGHTER-HOUSES.

During the year the floor of one at Carleton had to be taken out and a new cement floor put in. All others have been well kept.

BAKE-HOUSES.

No cause for complaint.

BUILDING BYE-LAWS.

During the year 207 Inspections of New Buildings have been made and the following violations of the Bye-Laws reported :—

Insufficient rear space provided	2
Party walls not being carried up to ridge, full thickness required, viz., 9 inches	4
Downpipes connected direct to drain and untrapped	4
Trimming joists not of sufficient strength	9
Drains not laid in accordance with Bye-Laws	3
Erecting buildings not shown on plan.....	2
Joists not of a sufficient strength.....	2

The whole of these were immediately remedied on the same being pointed out to the builder, with the exception of the last, which is under consideration of the Building Committee.

In conclusion I must thank those owners of property who have made sanitary improvements without having to bring the same to your notice, which is a saving of time and trouble.

I am, Gentlemen,

Yours faithfully,

JAMES JOLLY,

Sanitary Inspector.

